

Herculite

*door-frame
assembly*



P I T T S B U R G H P L A T E G L A S S C O M P A N Y

Herculite door-frame assembly

A FACTORY-BUILT DOOR-FRAME FOR HERCULITE GLASS DOORS



Advantages

- Simply designed
- Sturdily constructed
- Factory-built
- Accurately dimensioned
- Smoothly finished
- Easily installed
- Pittco Checking Floor Hinge
- Time and labor saver
- Readily available

When set in "Pittsburgh's" new Herculite Door-Frame Assembly, Herculite Glass Doors assume greater attractiveness, assure a more sturdy installation. These frames are factory-built of special shapes and of heavy extruded aluminum, reinforced with structural steel. They are supplied complete with Pittco Checking Floor Hinges, moldings for transom glass, supports for sidelights, strikes for locks, sockets for bolts, and thresholds when specified.

Architectural styling has been combined with structural and mechanical engineering to produce a unit that is both good looking and well constructed. Metal craftsmen fabricate the frames to high quality standards, using

special checking gauges to assure accuracy of all dimensions. The polished and anodized aluminum members are given a protective covering at the factory to preserve the finish during shipment and installation. The ease of handling the new Pittsburgh Herculite Door-Frame Assembly appeals to all. Herculite doors and sidelights can now be installed very speedily. Greater accuracy is assured by coordinating door and frame orders at the factory to provide correct dimensions and clearances. The trim appearance of the frame and its "built-in" strength readily recommend this assembly for use with Herculite Glass Doors.

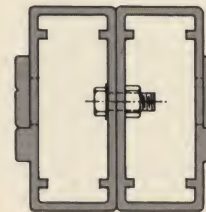
The new Pittsburgh Herculite Door-Frame Assembly can be accommodated to your design.



Here are combined
two Style No. 4 or 10.



Two Style No. 1 or 7
are combined in this
design.



DETAIL OF MULLION

Versatility of design



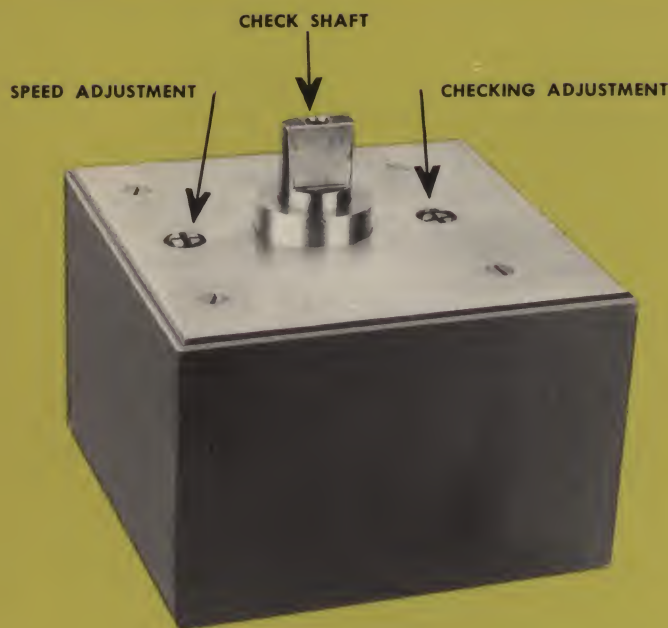
Note: Herculite Door-Frame Assemblies
can be combined for wide entrances,
simply by bolting frames together.
Removable stops conceal fastenings.

One Style No. 5 or 11,
with one Style No. 6
or 12 comprise this
arrangement.

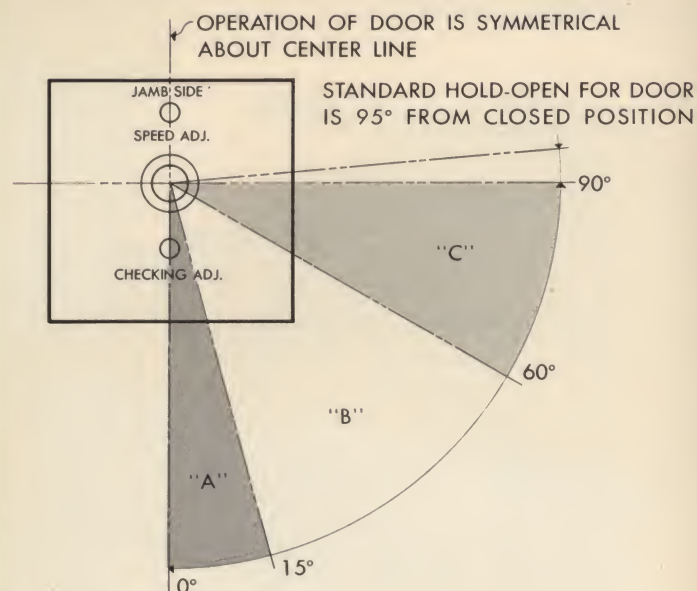
PITTCO

CHECKING FLOOR HINGE

... standard equipment with Herculite Door-Frame Assemblies

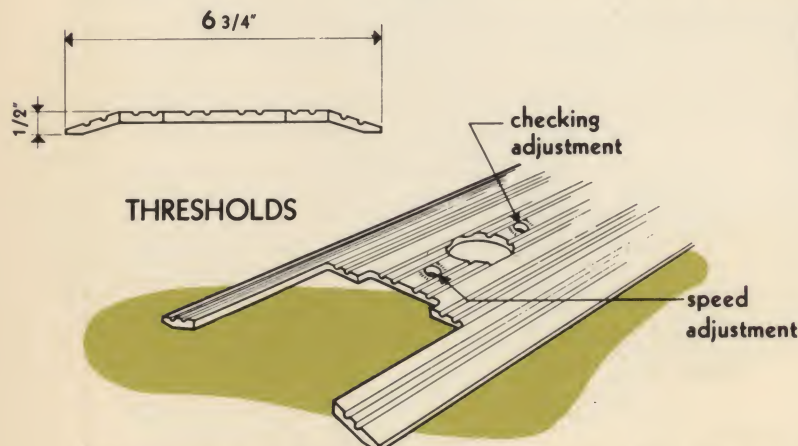


The Pittco Checking Floor Hinge is the product of the most advanced engineering and manufacturing practices. The case and cover are drop-forged. All main working parts are hardened and ground tool steel. All bearings are anti-friction, precision ground. Pittco hinges are furnished complete with cement case, top pivot assembly and arm with shim plate for attachment to door.

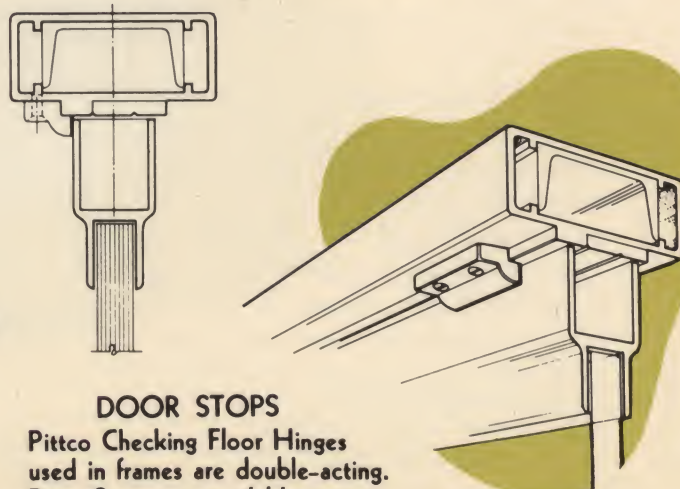



This diagram shows the action of the Pittco Checking Floor Hinge in opening the door and illustrates the thinking that has gone into its design. Area "A" has the greatest spring load to prevent opening from wind pressure. Area "B"—the arc of greatest use—has a materially reduced spring load, giving the Pittco Hinge the greatest ease of operation. In area "C" the spring load gradually builds up to give snubbing action against occasional violent opening. At ninety degrees there is a hold-open position that only goes into operation when extra pressure is slowly applied at this point.

Accessories Available for Use with Herculite Door-Frame Assemblies



When specifying Herculite Door-Frame Assemblies indicate threshold when required. In frames with sidelights threshold will be fabricated in three sections.

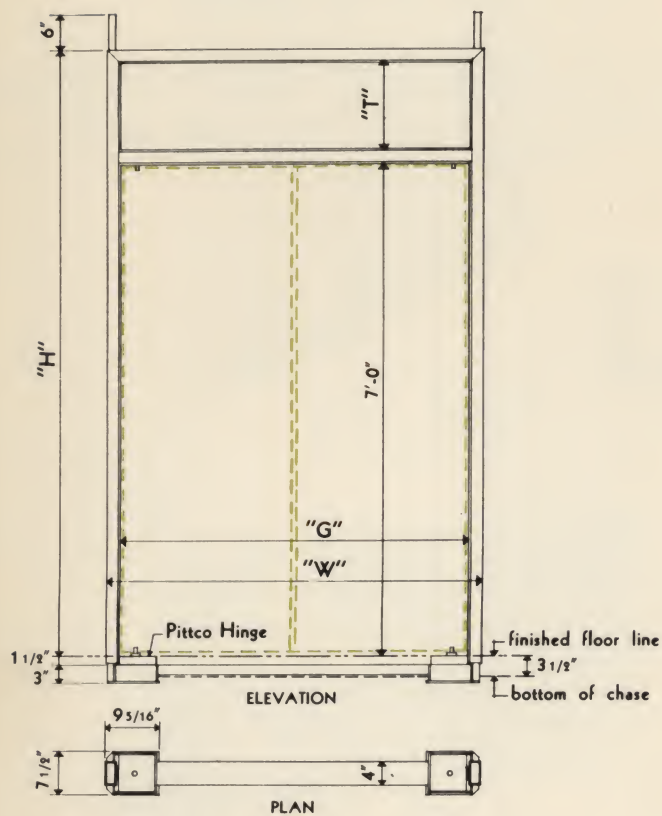




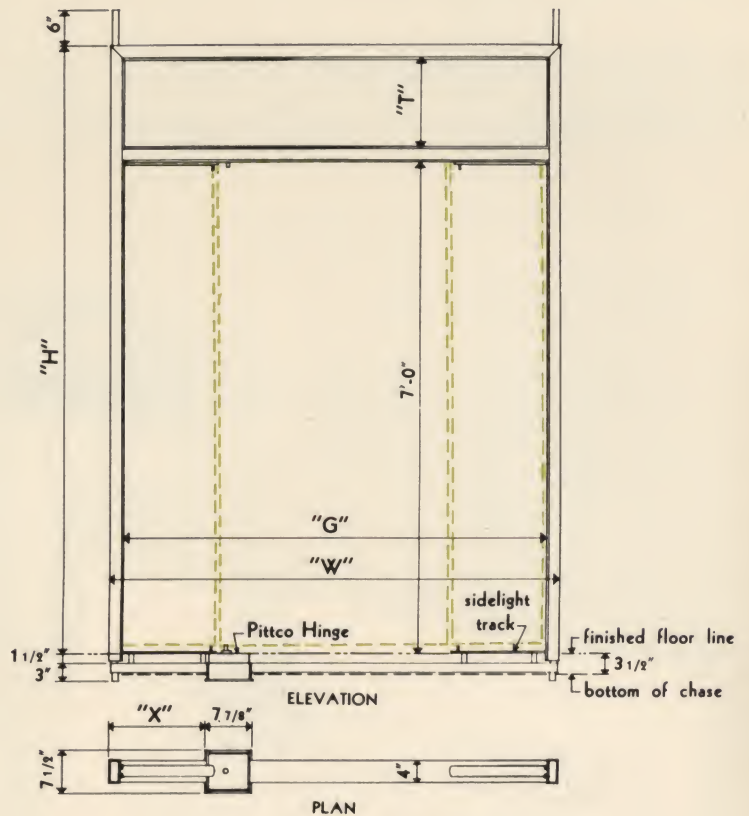
● THE BEAUTY of the new "Pittsburgh" Herculite Door-Frame Assembly, its ruggedness and ease of installation, combine to create a unit of great appeal, dependability and practicality.

The frame is made of extra-heavy extruded aluminum—highly polished and anodized. It is heavily reinforced with steel channels and tie rods, as partially shown in the accompanying illustration.

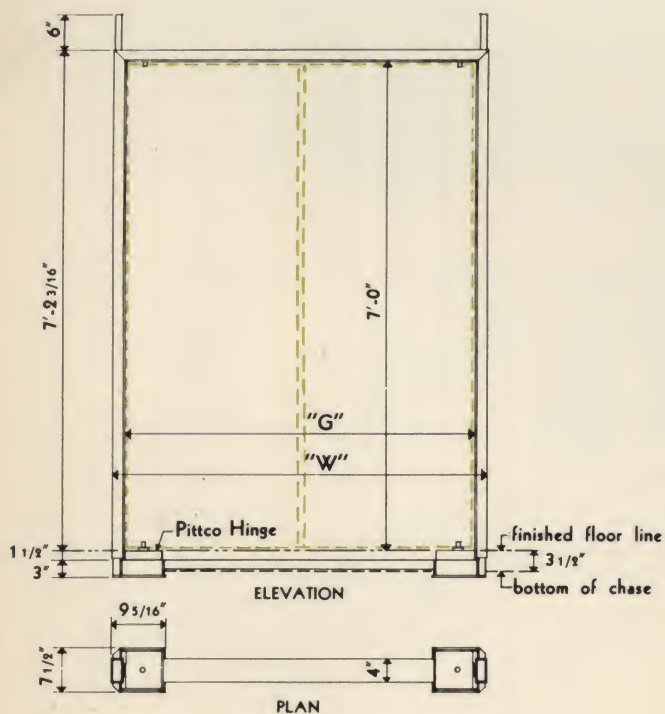
TWELVE STANDARD STYLES OF ASSEMBLIES



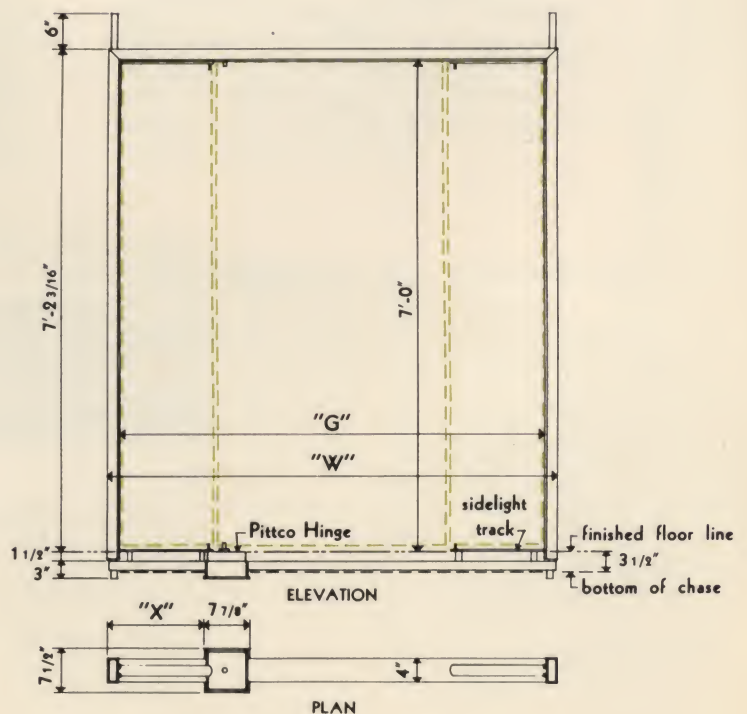
STYLE No. 1 OR 7



STYLE No. 2 OR 8

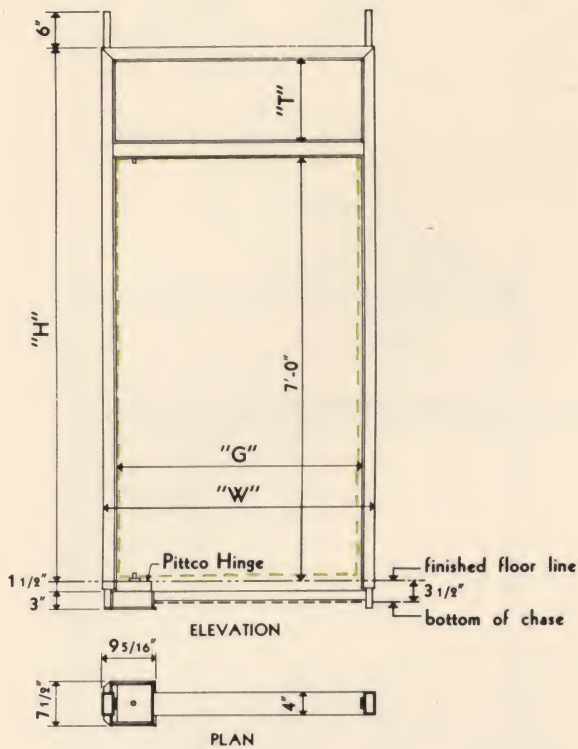


STYLE No. 4 OR 10

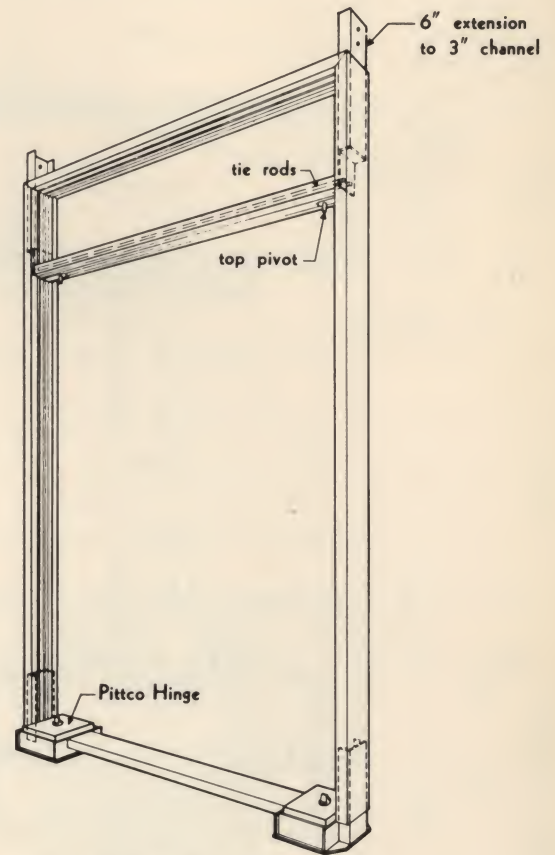


STYLE No. 5 OR 11

A SIZE AND STYLE FOR EVERY ENTRANCE

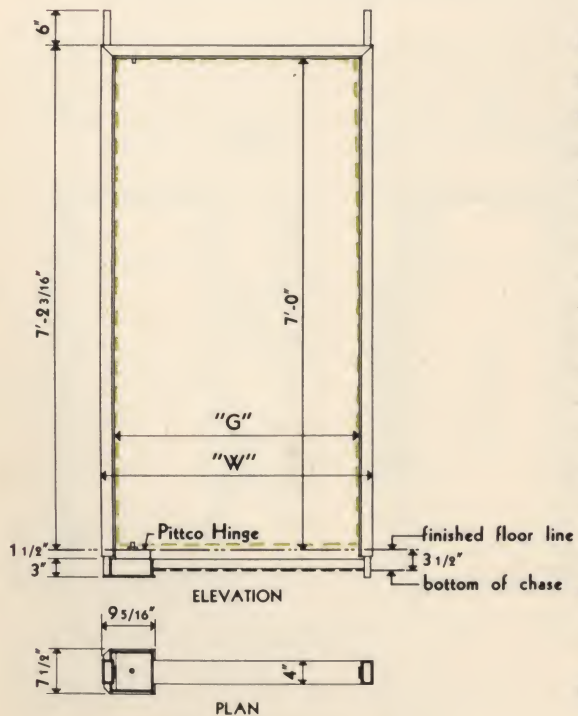


STYLE No. 3 OR 9



PERSPECTIVE

NOTE
Reinforcing steel is provided
where required in frame
to insure sturdy construction



STYLE No. 6 OR 12

STANDARD DIMENSIONS

DOOR FRAME	DIMENSIONS			DOOR		SIDELIGHTS	
STYLE NO.	"W"	"G"	"X"	QUANTITY	SIZE	QUANTITY	"S" (SIZE)
1	5'-4 3/8"	5'-0"	•	2	29 13/16" x 83 11/16"	•	
2	5'-4 3/8"	5'-0"	13 1/2"	1	35 13/16" x 83 11/16"	2	12 3/16" x 83 11/16"
3	3'-4 3/8"	3'-0"	•	1	35 13/16" x 83 11/16"	•	
4	5'-4 3/8"	5'-0"	•	2	29 13/16" x 83 11/16"	•	
5	5'-4 3/8"	5'-0"	13 1/2"	1	35 13/16" x 83 11/16"	2	12 3/16" x 83 11/16"
6	3'-4 3/8"	3'-0"	•	1	35 13/16" x 83 11/16"	•	
7	6'-4 3/8"	6'-0"	•	2	35 13/16" x 83 11/16"	•	
8	6'-4 3/8"	6'-0"	16 1/2"	1	41 13/16" x 83 11/16"	2	15 3/16" x 83 11/16"
9	3'-10 3/8"	3'-6"	•	1	41 13/16" x 83 11/16"	•	
10	6'-4 3/8"	6'-0"	•	2	35 13/16" x 83 11/16"	•	
11	6'-4 3/8"	6'-0"	16 1/2"	1	41 13/16" x 83 11/16"	2	15 3/16" x 83 11/16"
12	3'-10 3/8"	3'-6"	•	1	41 13/16" x 83 11/16"	•	

VARIABLE DIMENSIONS

"H"	8'-6"	9'-0"	9'-6"	10'-0"	10'-6"	11'-0"	11'-6"	12'-0"
"T"	13 15/16"	19 15/16"	25 15/16"	31 15/16"	37 15/16"	43 15/16"	49 15/16"	55 15/16"

FRAME ASSEMBLIES CAN BE SUPPLIED WITH THRESHOLDS.
DOOR AND SIDELIGHT HEIGHTS WILL BE ADJUSTED TO 7'-11 3/16".

Technical drawing of a window frame section "A-A" showing three views: HEAD, TRANSOM, and BASE. The drawing includes dimensions in inches and labels for components like "3" channel", "rods", "pivot", and "finished floor".

HEAD View:

- Overall width: 6"
- Overall height: 1 7/8"
- Channel width: 4 3/8"
- Channel label: 3" channel
- Dimensions from left edge to center of pivot: 1 1/16"
- Distance between pivots: 23/32"
- Distance from center of pivot to right edge: 1 7/32"
- Distance from right edge to center of pivot: 1 1/16"

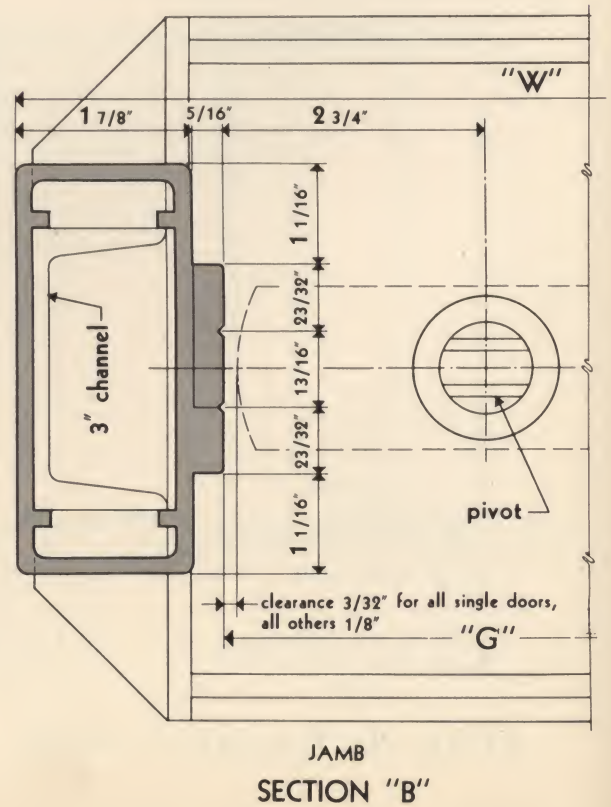
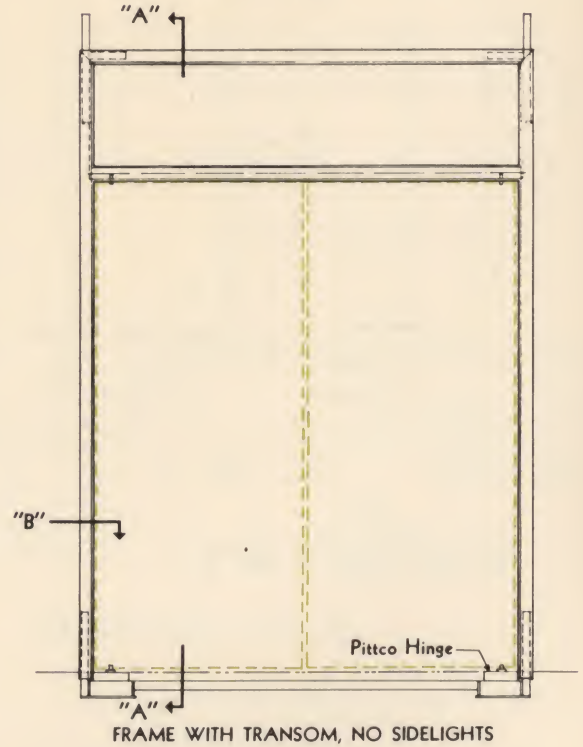
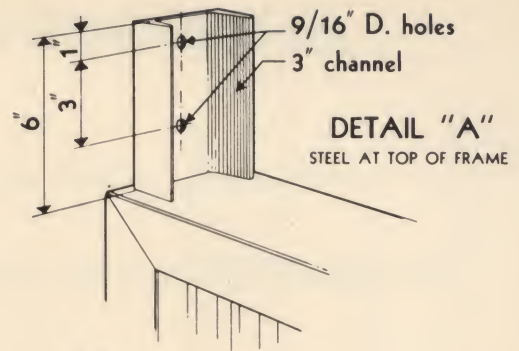
TRANSOM View:

- Overall width: 5 1/16"
- Overall height: 5/16"
- Channel width: 3 3/4"
- Channel label: rods
- Channel label: pivot
- Dimensions from left edge to center of pivot: 3/4"
- Distance between pivots: 23/32"
- Distance from center of pivot to right edge: 13/16"
- Distance from right edge to center of pivot: 23/32"
- Distance from right edge to center of pivot: 3/4"
- Distance from right edge to center of pivot: 5/16"

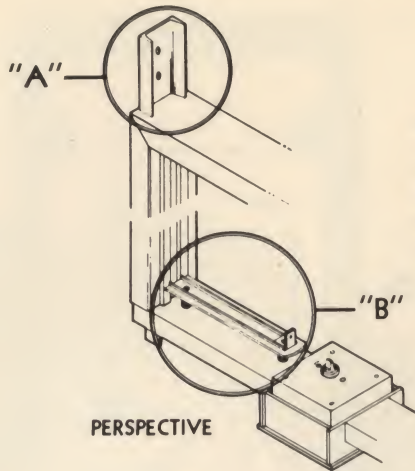
BASE View:

- Overall width: 7 1/2"
- Overall height: 4 1/2"
- Channel label: 4" channel
- Channel label: pivot
- Channel label: finished floor
- Dimensions from left edge to center of pivot: 1 1/2"
- Distance from center of pivot to right edge: 3"
- Distance from right edge to center of pivot: 1/4"

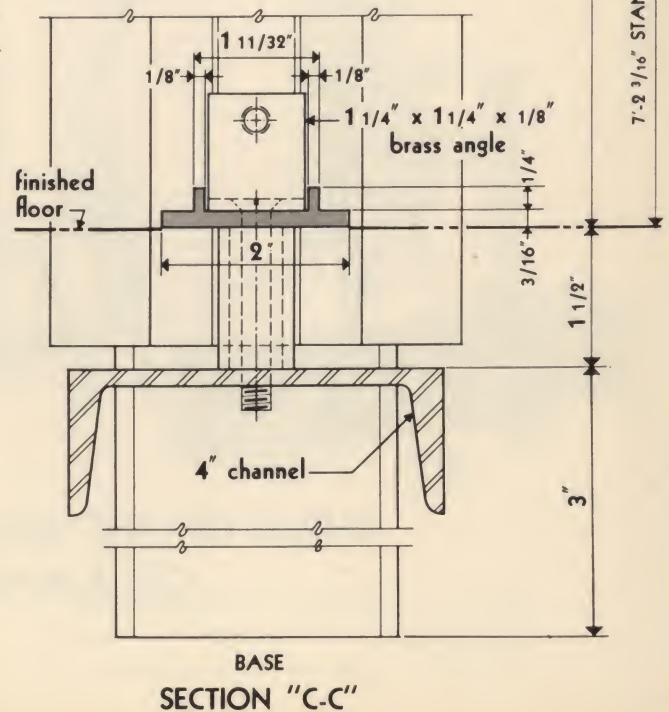
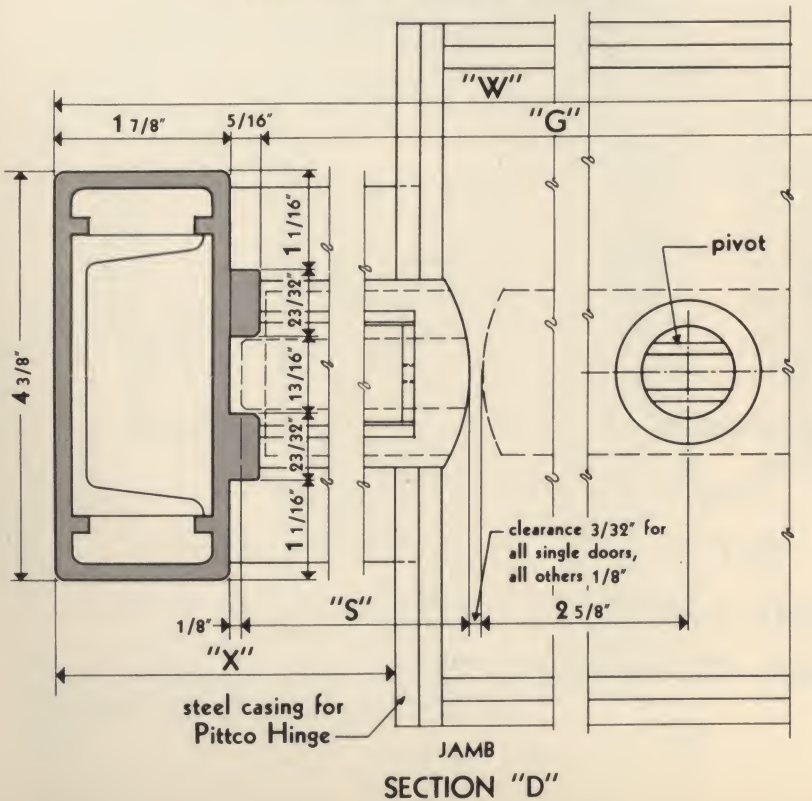
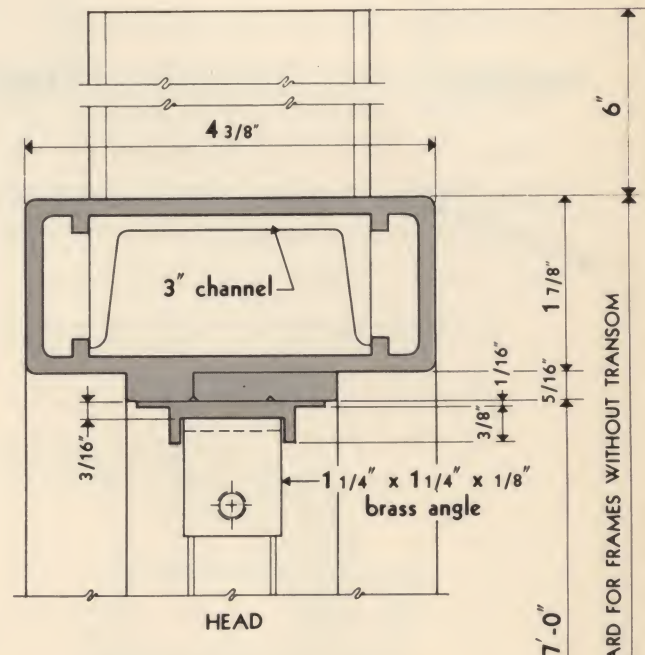
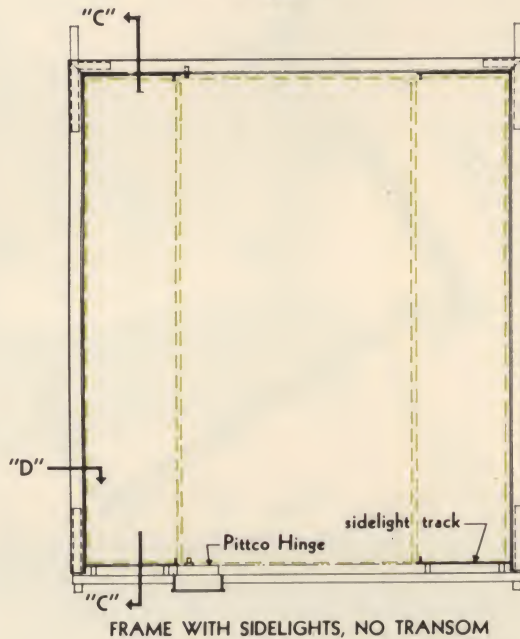
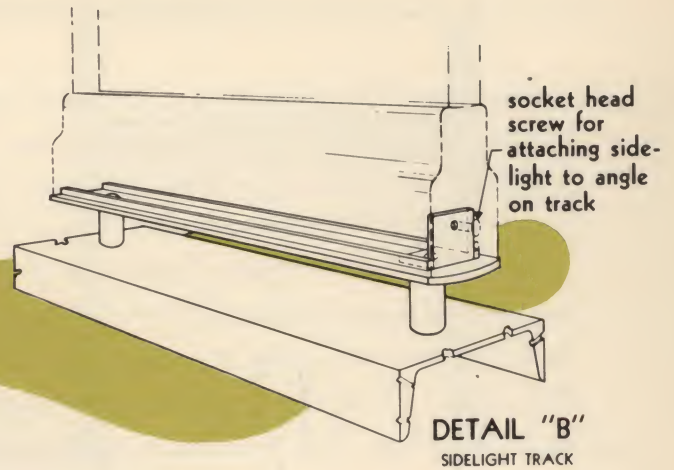
SECTION "A-A"



TYPICAL SECTIONS AND DETAILS



SIDELIGHT TRACKS ARE PIVOTED AT JAMB END TO SIMPLIFY INSTALLING SIDELIGHT WITHOUT DISTURBING HINGE.



Herculite

door-frame assembly

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